

American Airlines Trinity Complex

Fort Worth, Texas



STORIES BUILT



Located on a 300-acre site in Fort Worth, Texas, the American Airlines Corporate campus houses more than 7,000 employees throughout 1.3 million square feet of corporate office space. Four eight-story buildings are connected by two smaller atrium buildings and a third building serving as an amenity-packed town square area. The office complex also includes a large garage structure consisting of four separate garages with a combined 4,025 spaces and a central plant for support.

Ceco provided full formwork services for the cast-in-place concrete structures, which included placing concrete for all vertical elements, such as columns and walls.

Each of the four office buildings was constructed with extra-wide module, one-way concrete pan construction with post-tensioned beams. The one-way joist system offers greater spans, without vibration, that not only support the project's heavier office design loads but also provide design flexibility for floor space utilization. The structural braced frame was designed to reduce the number of shear walls needed to provide lateral support.

Ceco specially designed and fabricated the extra-wide module longform pans, which ranged in size from 99 to 112 inches wide. Ceco-owned CEFCO tables were used at the perimeter, and interior beam tables were used for beams and girders to support the beam and much of the longform loads. The formwork systems used for this project enabled the Ceco team to deliver each 37,000-square-foot floor in a 10-day work cycle.

For the garages, the Ceco team used a long-span, post-tensioned concrete beam-and-slab system, which included garage steel beamforms and deck panels.

The new campus, now called Skyview, replaces two outdated buildings to modernize the American Airlines headquarters and better connect and inspire employees. Construction began May 2017, and Ceco topped out August 2018.

FAST STATS

Project Owner: American Airlines / Crescent Real Estate Equities LLC

General Contractor: Austin Commercial LP - Dallas

Designer/Architect: Pelli Clarke Pelli Architects (Design) / Kendall/Heaton Associates Inc. (EOR)

Structural Engineer: Brockette/Davis/Drake Inc.

Ceco Scope: Full concrete formwork services

Ceco Project Managers: Jonathan Walker, Arturo Ledezma

Ceco Superintendents: Martin Ledezma, Jose Ledezma, Mario Ledezma

Ceco Engineers: Floyd Golding, Jose Ramos, Kevin Mahany (engineers); Vince Casas (detailer)

Date Completed: August 2018